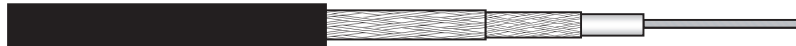




# DATA SHEET

## RG coaxial cable

### RG 223/U



	Units	Nominal
<b>INNER CONDUCTOR</b>		
Material	-	silver-covered copper wire
Construction	-	1 x
Diameter	mm	0.9
<b>DIELECTRIC</b>		
Material	-	solid polyethylene
Diameter	mm	2.95
<b>OUTER CONDUCTOR</b>		
Material	-	silver-covered copper wire
Construction	-	double braid
Diameter over outer conductor	mm	4.0
<b>OUTER SHEATH</b>		
Material	-	black PVC
Thickness	mm	0.7
Overall diameter	mm	5.4
<b>ELECTRICAL CHARACTERISTICS</b>		
Characteristic impedance	$\Omega$	50 +/- 2
Capacity	pF/m	100
Relative propagation velocity (velocity ratio)	%	66
DC-resistance of inner conductor	$\Omega/km$	28
DC-resistance of outer conductor	$\Omega/km$	8
Longitudinal attenuation at 20°C		
	a =	- 1.343
	b =	- 0.006447
	c =	- -0.873
	5 MHz	dB/100m 2.2
	25 MHz	dB/100m 6.0
	50 MHz	dB/100m 9.0
	145 MHz	dB/100m 16.2
	200 MHz	dB/100m 19.4
	300 MHz	dB/100m 24.3
	435 MHz	dB/100m 29.9
	900 MHz	dB/100m 45.2
	1250 MHz	dB/100m 54.7
	1500 MHz	dB/100m 60.8
	1700 MHz	dB/100m 65.5
	1800 MHz	dB/100m 67.7
	2200 MHz	dB/100m 76.3
	2400 MHz	dB/100m 80.4
	2500 MHz	dB/100m 82.4
<b>MECHANICAL CHARACTERISTICS</b>		
Bending radius	- Minimum ( 1 x )	cm 2.5